(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International publication date 14 April 2005 (14.04.2005)

(10) International publication number

WO 2005/032866 A1

(51) International patent classification⁷: B62D 21/17, 25/14

(21) International application number:

PCT/EP2004/011282

(22) International filing date:

8 October 2004 (08.10.2004)

(25) Language of filing:

German

(26) Language of publication:

German

(30) Data relating to the priority:

103 47 230.4

8 October 2003 (08.10.2003) DE

10 2004 010 605.3 2 March 2004 (02.03.2004)

DE

- (71) Applicant (for all designated States except US): BEHR GMBH & CO. KG [DE/DE]; Mauserstrasse 3, 70469 Stuttgart (DE).
- (72) Inventor; and
- (75) Inventor/Applicant (US only): WOLF, Walter [DE/DE]; Steinbacher Strasse 34/1, 71570 Oppenweiler-Zell (DE).
- (74) Joint Representative: BEHR GMBH & CO. KG; Intellectual Property, G-IP, Mauserstrasse 3, 70469 Stuttgart (DE).

- B60H 1/00, (81) Designated states (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
 - (84) Designated states (unless otherwise protected, for every kind of regional protection available): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for the following designation US

Published:

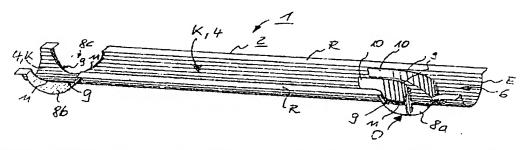
With International Search Report.

[continued on next page]

As printed

(\$4) Title: STRUCTURAL ELEMENT, PARTICULARLY A HYBRID STRUCTURAL ELEMENT FOR A CROSS MEMBER OF A VEHICLE AND USE OF A STRUCTURAL ELEMENT

(54) Bezeichnung: BAUTEIL. INSBESONDERE HYBRIDBAUTEIL FÜR EINEN QUERTRÄGER EINES FAHRZEUGS UND VERWENDUNG EINES BAUTEILS



(57) Abstract: The invention relates to a structural element (1), particularly a hybrid structural element for a cross member of a vehicle. in which a base body (2) is provided, which is at least partially lined with plastic (4) and which is provided with at least one flow tap (8a to 8c). Said base body (2) is, in the area of flow tap (8a to 8c), provided with a flow-guiding means (9).

(57) Zusammenfassung: Erfindungsgemäss ist bei einem Bauteil (1), insbesondere bei einem Hybridbauteil für einen Querträger eines Fahrzeugs, ein zumindest teilweise mit Kunststoff (4) ausgekleideter Grundkörper (2) vorgesehen, der mit mindestens einem Strömungsabgriff (8a bis 8c) versehen ist, wobei der Grundkörper (2) im Bereich des Strömungsabgriffs (8a bis 8c) mit einem Mittel zur Strömungsführung (9) versehen ist.

WO 2005/032866 A1

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.